

WHAT IS CLAIMED IS:

1 1. A method for converting text characters from a Standard
2 Generalized Markup Language file into another specified language using a
3 CONVERTSTR variable, a HTMLCODE variable and a VAL variable, wherein
4 each character represents a tag or text, and each tag has a start and an end, said
5 method comprising the steps of:

- 6 (a) reading a character from the file;
7 (b) determining whether the read character is the start of a tag;
8 (c) adding the read character to the CONVERTSTR variable
9 when the read character is not the start of a tag;
10 (d) repeating steps (a), (b) and (c) for a next character until a read
11 character is the start of a tag;
12 (e) converting the CONVERTSTR variable into the specified
13 language; and,
14 (f) adding the converted CONVERTSTR variable to the
15 HTMLCODE variable.

1 2. The method according to claim 1 wherein prior to step (a)
2 further comprising the steps of:

- 3 (g) initializing the HTMLCODE variable; and,
4 (h) reading a first character from the file.

1 3. The method according to claim 2 wherein prior to step (g)
2 further comprising the step of (i) downloading a Standard Generalized Markup
3 Language file.

1 4. The method according to claim 1 wherein prior to step (b)
2 further comprising the steps of:

- 3 (j) determining whether the read character is the end of file;

4 (k) initializing the CONVERTSTR variable when the read
5 character is not the end of the file; and,

6 (l) determining whether the parsing of the file is successful when
7 the read character is the end of the file.

1 5. The method according to claim 4 wherein said step (k)
2 further comprising the steps of:

3 (m) returning an error message to the user when the parsing of the
4 file is not successful;

5 (n) saving the translated Standard Generalized Markup Language
6 file with the parsed code to the cache memory when the parsing of the file is
7 successful; and,

8 (o) displaying the translated Standard Generalized Markup
9 Language file saved in the cache memory to the user.

1 6. The method according to claim 5 wherein said step (m)
2 further comprising the step of (p) displaying the Standard Generalized Markup
3 Language file without the translation.

1 7. The method according to claim 1 wherein prior to step (b)
2 further comprising the steps of:

3 (r) determining whether the read character is the start of a tag;

4 (s) determining whether the read character is the end of a tag
5 when the read character is the start of a tag;

6 (t) repeating from step (b) when the read character is not the start
7 of a tag.

1 8. The method according to claim 7 wherein said (s) step
2 further comprising the steps of:

3 (u) adding the read character to the HTMLCODE variable when
4 the read character is not the end of a tag;

5 (v) repeating (s) and (t) for a next character until a read character
6 is the end of a tag; and,

7 (w) repeating from step (b) when the read character is the end of
8 a tag.

1 9. The method according to claim 7 wherein said (s) step
2 further comprising the steps of:

3 (x) determining whether the read character is at the end of the file
4 when the read character is not the end of a tag;

5 (y) repeating from step (b) when the read character is at the end
6 of the file;

7 (z) adding the read character to the HTMLCODE variable when
8 the read character is not at the end of the file; and,

9 (aa) repeating steps (s) and (z) for a next character until a read
10 character is the end of a tag.

1 10. The method according to claim 4 wherein step (b) further
2 comprising the steps of:

3 (bb) determining whether the CONVERTSTR variable is empty
4 when the read character is the start of a tag; and,

5 (cc) repeating from step (j) when the CONVERTSTR variable is
6 empty.

1 11. The method according to claim 10 wherein prior to said
2 step (bb) further comprising the steps of:

3 (dd) determining whether the read character is at the end of the
4 file;

5 (ee) repeating from step (e) when the read character is at the end
6 of the file.

12. The method according to claim 4 wherein step (f) further comprising the step of (ff) repeating from step (i).

13. A system for converting text characters from a Standard Generalized Markup Language file into another specified language, wherein each character represents a tag or text, and each tag has a start and an end, comprising:

a HTMLCODE variable for defining the strings in the Standard Generalized Markup Language coding;

a CONVERTSTR variable for defining the strings that are to be converted into the specified language;

a VAL variable for defining the strings that have been converted into the specified language; and,

a translator for translating the strings in the CONVERTSTR variable into the specified language.

14. A system for converting text characters from a Standard Generalized Markup Language file into another specified language using a CONVERTSTR variable, a HTMLCODE variable and a VAL variable, wherein each character represents a tag or text, and each tag has a start and an end, comprising:

means for reading a character from the file;

means for determining whether the read character is the start of a tag;

means for adding the read character to the CONVERTSTR variable when the read character is not the start of a tag;

means for repeating the process for a next character until a read character is the start of a tag;

13 means for converting the CONVERTSTR variable into the
14 specified language; and,

15 means for adding the converted CONVERTSTR variable to the
16 HTMLCODE variable.

1 15. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when executed causes a computer to:

4 read a character from the file;

5 determine whether the read character is the start of a tag;

6 add the read character to the CONVERTSTR variable when the
7 read character is not the start of a tag;

8 repeat the process for a next character until a read character is the
9 start of a tag;

10 convert the CONVERTSTR variable into the specified language;

11 and,

12 add the converted CONVERTSTR variable to the HTMLCODE
13 variable.